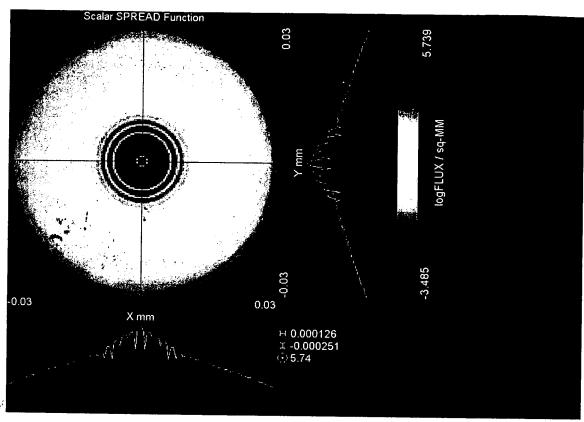
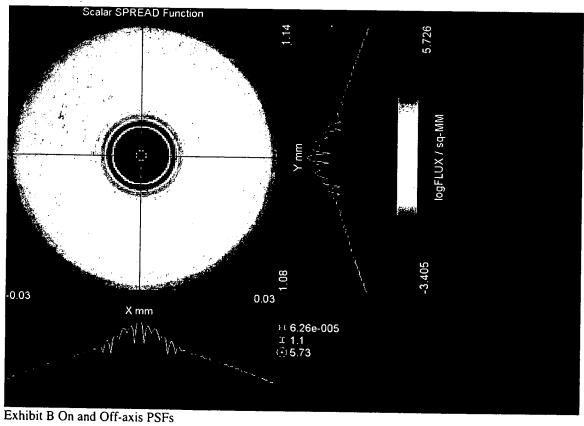
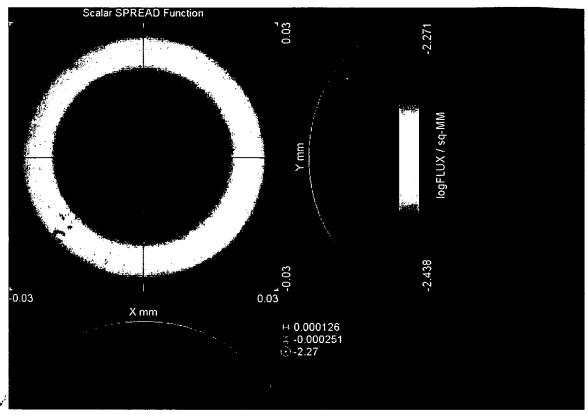


Exhibit A. Ghost Image of Aperture Stop Produce by Sunlight (Ghost in Upper Right Corner)







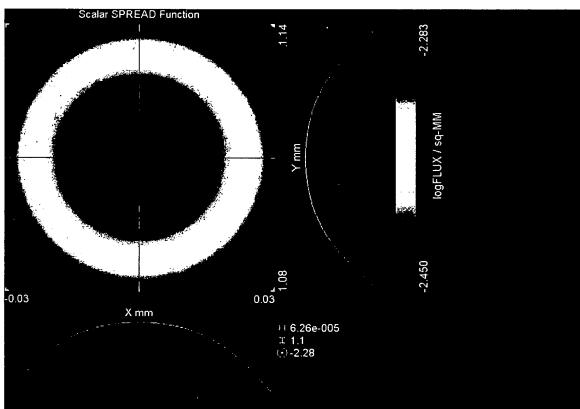
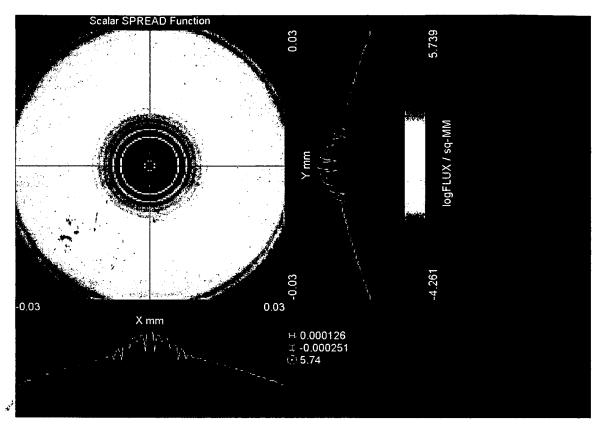


Exhibit C On and Off-axis Ghost Images



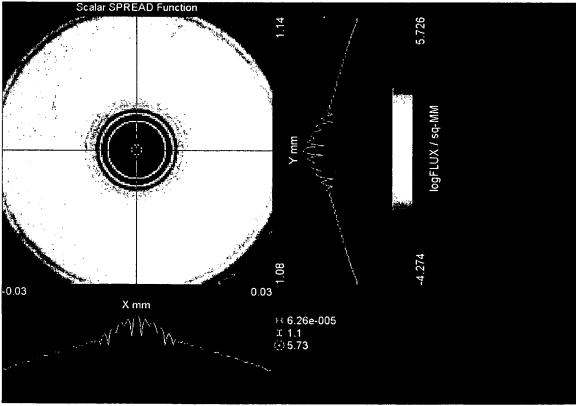


Exhibit D On and Off-axis PSFs with Ghost Contributions

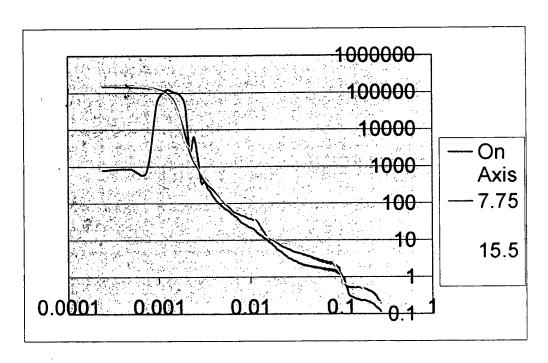


Exhibit E. Measured Data Illustrating the Shift Invariance of Scattered Light and Ghost Images from a Telecentric Optical System (Telecentric in Image Space) of a Digital Camera

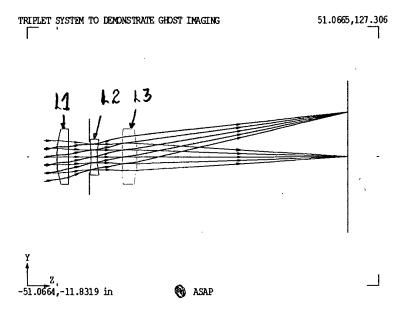


Figure 1 Triplet Lens System with On and Off Axis Point Sources

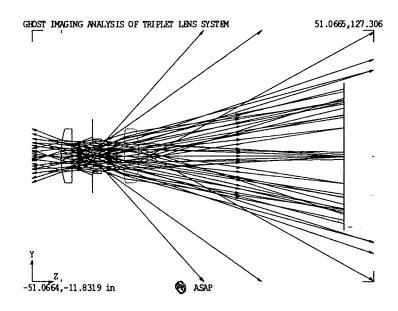


Figure 2 Ghost Reflections through Triplet from On-axis Point Source

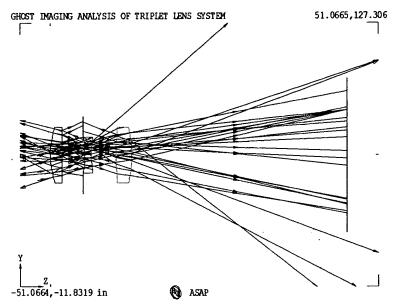


Figure 3 Ghost Reflections through Triplet from Off-axis Point Source

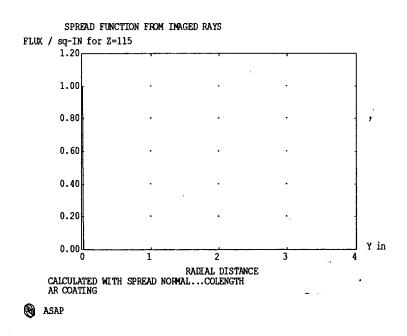


Figure 4 System PSF due to Diffraction and Aberration

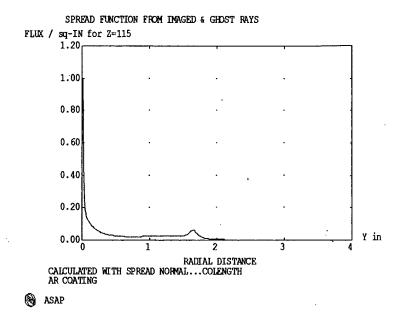


Figure 5 System PSF due to Diffraction, Aberration, and Ghost Images

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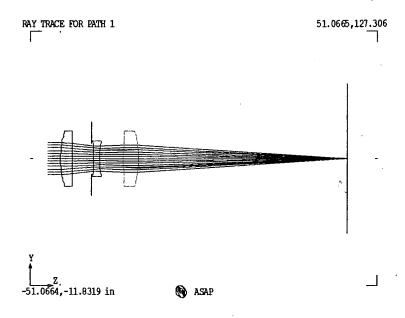


Figure 6 On-Axis Signal Path

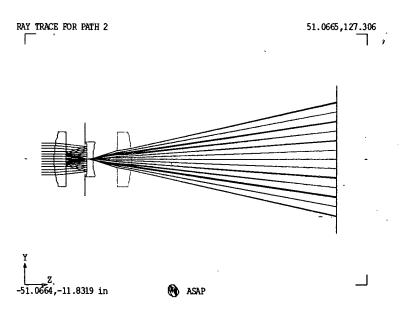


Figure 7 On-Axis Ghost Path of Most Energy

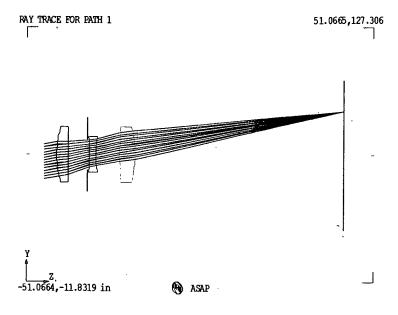


Figure 8 Off-Axis Signal Path

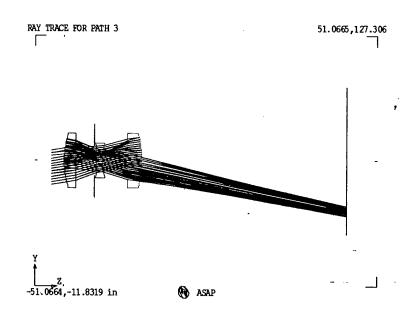


Figure 9 Off-Axis Ghost Path of Most Energy

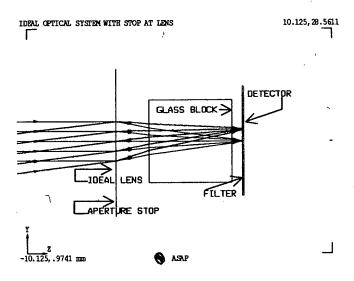


Figure 10 On and Off-axis Point Sources Imaged Through an Ideal Lens with the Stop at the Lens, A glass block, and a Filter

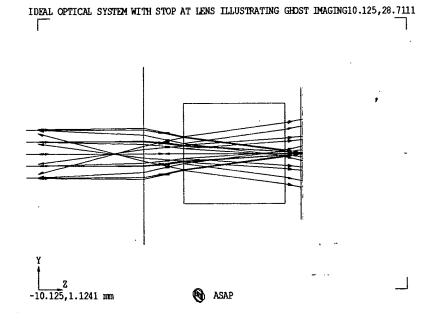


Figure 11 On-axis Ghost Rays

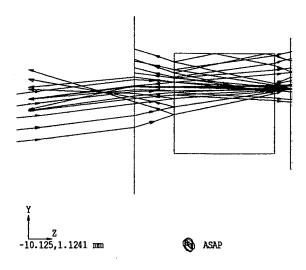


Figure 12 Off-axis Ghost Rays

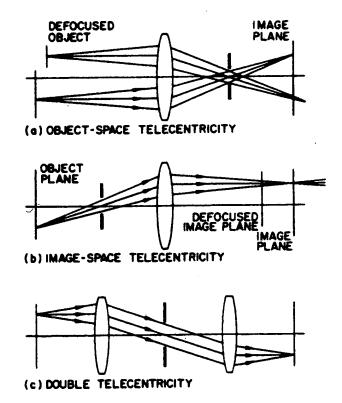


Figure 13 Telecentric Optical Systems

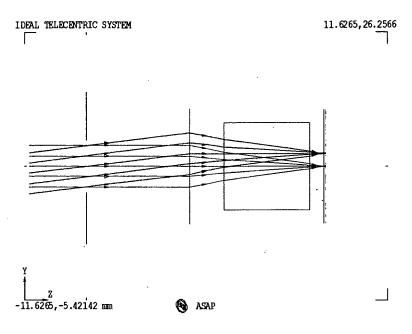


Figure 14 On and Off-axis Point Sources Imaged Through an Ideal Telecentric Lens System with the Stop at the front focal point, A glass block, and a Filter

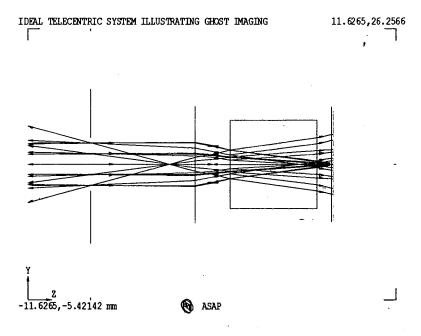


Figure 15 Ghost Image for an On-axis Point Source Through a Telecentric Optical System that is Telecentric in Image Space

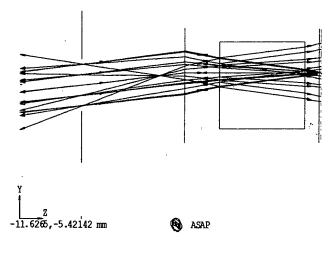
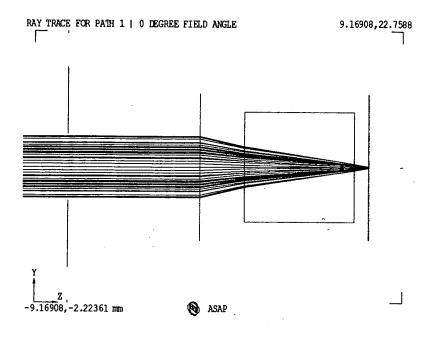


Figure 16 Ghost Image for an Off-axis Point Source Through a Telecentric Optical System that is Telecentric in Image Space



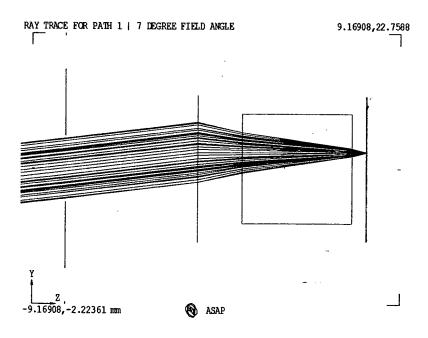
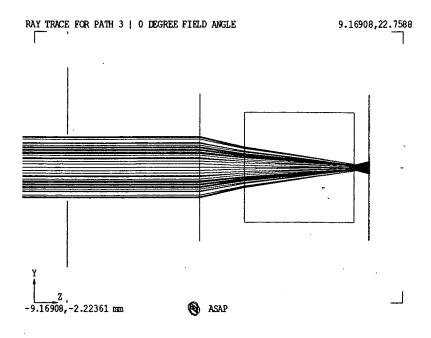


Figure 17 On and Off-axis Signal Paths



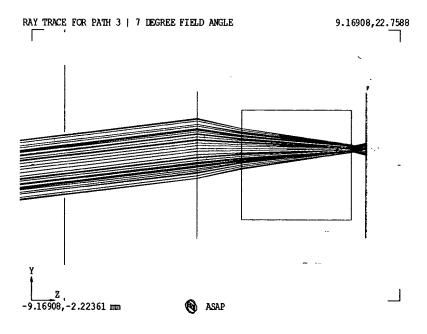
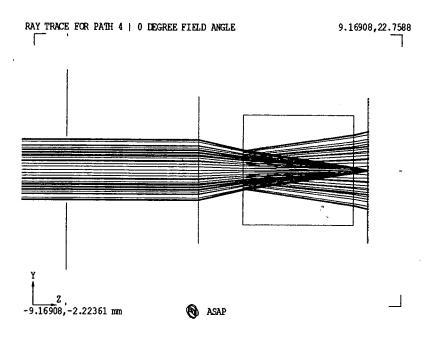


Figure 18 On and Off-axis Most Energetic Ghost Paths



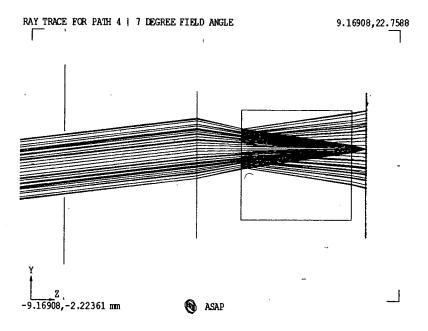


Figure 19 On and Off-axis Second Most Energetic Ghost Paths

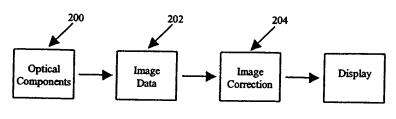


Figure 20

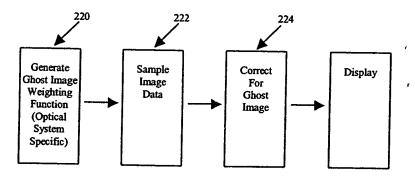


Figure 21